

EVALUATION ON MALAYSIA SAFETY AND HEALTH INDUCTION COURSE FOR CONSTRUCTION WORKER

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COURSE FOR CONSTRUCTION WORKER

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To my beloved
friends and family

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ABSTRACT

Workplace safety is the main concern of facilities managers due to high fatality rates in Malaysia construction industry. In order to improve the safety performance of the worker, Safety and Health Induction Course for Construction Worker (SICW), the only mandatory safety training in Malaysia construction industry has been introduced to improve the employees' safety knowledge and awareness. However, SICW has never been evaluated in term of its effectiveness in delivering safety knowledge and awareness to the workers since it was introduced. Therefore, the objectives of this research were to evaluate the effectiveness of SICW in delivering safety knowledge and awareness to the workers and to suggest the factors that will improve its effectiveness. Pre-test (before training) and post-test (after-training) evaluation method has been employed in this research to evaluate the effectiveness of SICW. Two sets of questionnaire were employed, one was distributed before the training started and another was distributed after the training ended. The data obtained from two sets of questionnaire were then compared to analyse the changes in terms of safety knowledge and awareness after attending SICW. The results showed that both participants' safety awareness and safety knowledge have some improvements after the training, however only safety knowledge showed significance difference. The overall findings showed that SICW was effective in improving the safety knowledge and awareness of the participants as the training program has met the training objectives. The evaluation also indicated that language, training instructional method, training material and practice factors were the weaknesses of SICW. Those factors could be improved to ensure the effectiveness of SICW. This research could serve as a guideline for improving the effectiveness of SICW.

ABSTRAK

Keselamatan di tempat kerja adalah satu kebimbangan utama pengurus fasiliti disebabkan oleh kadar kematian yang tinggi dalam industri pembinaan Malaysia. Dalam usaha untuk meningkatkan prestasi keselamatan pekerja, Kursus Induksi Keselamatan dan Kesihatan untuk Pekerja Binaan (KIKKP), satu-satunya latihan keselamatan mandatori dalam industri pembinaan Malaysia telah diperkenalkan untuk meningkatkan tahap pengetahuan dan kesedaran pekerja tentang keselamatan. Walau bagaimanapun, KIKKP tidak pernah dinilai dari segi keberkesanannya dalam menyampaikan pengetahuan dan kesedaran tentang keselamatan kepada para pekerja sejak KIKKP diperkenalkan. Oleh itu, objektif kajian ini ialah untuk menilai keberkesanan KIKKP dalam menyampaikan pengetahuan dan kesedaran tentang keselamatan kepada pekerja serta mencadangkan faktor-faktor yang boleh meningkatkan keberkesanannya. Penilaian sebelum dan selepas latihan digunakan untuk menilai keberkesanan KIKKP. Kaedah penilaian sebelum dan selepas telah digunakan dalam kajian ini untuk menilai keberkesanan KIKKP. Dua set borang soal selidik telah digunakan, satu diedarkan sebelum latihan bermula dan satu diedarkan selepas latihan tamat. Data yang diperolehi daripada dua set soal selidik telah dianalisis untuk memerhatikan perubahan dari segi pengetahuan keselamatan dan kesedaran selepas menghadiri KIKKP. Keputusan kajian menunjuk, terdapatnya peningkatan ke atas kedua-dua kesedaran dan pengetahuan pekerja selepas latihan, tetapi hanya pengetahuan tentang keselamatan menunjuk terdapatnya perbezaan yang signifikan. Secara keseluruhannya, hasil kajian menunjuk bahawa KIKKP adalah berkesan untuk meningkatkan pengetahuan dan kesedaran pekerja tentang keselamatan di mana latihan tersebut telah berjaya mencapai objektifnya. Penilaian ini juga menunjukkan faktor-faktor bahasa, kaedah latihan, bahan latihan dan praktis merupakan kelemahan KIKKP. Faktor-faktor tersebut harus dipertingkatkan untuk memastikan keberkesanan KIKKP. Kajian ini boleh dijadikan sebagai satu garis panduan bagi meningkatkan keberkesanan latihan KIKKP.